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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/610.100	06/30/2000	Jon Ebbe Brelin	SONY-13800	3109

28960 7590 10/29/2003

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EXAMINER

WANG, LIANG CHE A

ART UNIT	PAPER NUMBER
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2155

DATE MAILED: 10/29/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



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7590 08/22/2003

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**Office Action Summary**

Application No.

09/610,100

Applicant(s)

BRELIN, JON EBBE

Examiner

Liang-che Alex Wang

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 June 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 27-32 is/are allowed.
- 6) ☒ Claim(s) 1-23, 25 and 26 is/are rejected.
- 7) ☐ Claim(s) 24 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3-9.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Claims 1-32 have been examined

#### ***Paper Submitted***

2. It is hereby acknowledged that the following papers have been received and placed of record in the file:
  - a. **Information Disclosure Statements** as received on 11/17/2000, 10/24/2000, 3/23/2001, 7/30/2001, 10/24/2002, 2/03/2003, and 4/14/2003.

#### ***Priority***

3. The drawings in this application are objected to by the Draftsperson as informal. Any drawing corrections requested, but not made in the prior application should be repeated in this application if such changes are still desired. If the drawings were changed and approved during the prosecution of the prior application, a petition may be filed under 37 CFR 1.182 requesting the transfer of such drawings, provided the parent application has been abandoned. However, a copy of the drawings as originally filed must be included in the 37 CFR 1.60 application papers to indicate the original content.

#### ***Specification***

4. The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of **50 to 150 words**. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape

used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

5. The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

***Allowable Subject Matter***

6. Claims 27-32 allowed.
7. Claims 4 and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
8. The following is a statement of reasons for the indication of allowable subject matter: the limitation of independent claim 27 "A system for monitoring schedule entries posted to an AV/C resource schedule bulletin board subunit, the system comprising: a) a resource device including a dedicated AV/C resource bulletin board subunit; and b) a plurality of control devices in communication with the resource device and capable of posting the schedule entries to the AV/C bulletin board subunit wherein each of the schedule entries include a unique node address corresponding to the control device posting the request and where in the control devices are further capable of submitting notify command frames with schedule entries, wherein each notify command frame identifies a corresponding

schedule entry, and further wherein the notify command frame instructs the resource device to monitor access of the schedule entries by the control device” in lights of applicants’ specification was not taught or suggested individually or in combination by the prior art of record.

The prior art of record doesn’t teach or suggest individually or in combination, a system and/or a method of monitoring schedule entries where the combination of claimed elements does not include a dedicated AV/C resource schedule bulletin board subunit and wherein the notify command frame instructs the resource device to monitor access of the schedule entries by the control device.

***Claim Rejections - 35 USC § 112***

9. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10. Claims 1-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
11. Referring to claim 1, lines 3-4, the limitation “corresponding notify command frames submitted from networked control devices” renders the claims indefinite and unclear.
12. Referring to claim 1, lines 6-8 “to monitor access of data contained within the accessed by a competing control device” renders the claim indefinite, the examiner views it as “to monitor access of data accessed by a competing control device” for further examination.

13. All dependent claims are objected to as having the same deficiencies as the claims they depend from.

***Claim Rejections - 35 USC § 102***

14. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

15. Claims 1, 2, 12, 15, 16, 17 and 25 are rejected under 35 U.S.C. 102(e) as being anticipated by Natarajan et al., US Patent Number 6,584,502, hereinafter Natarajan.
16. Referring to claim 1, Natarajan has taught an architecture for monitoring access of descriptors over a network (Col 2 lines 25-45), the architecture comprising a descriptor mechanism for posting and storing descriptors (Col 8 lines 52-59, Col 10 lines 21-31, Figure 2 the control information (descriptor) of each control elements 204, is sent (posted) and stored in the data store 252,) and corresponding command frames submitted from the networked control devices (Col 10 line 62- Col 11 line 8, the networked control devices 204 uses the event handler 272 to monitor the data store), where each descriptors comprises a unique node address identifying the control device submitting the descriptor (Col 11 lines 4-8, the unique node address is inherently existed because when the event handler detects the change, it would notified the changes to the original element 204A,) and wherein the corresponding notify command frame instructs the descriptor mechanism

to monitor access of data (Col 10 line 67 – Col 11 line 1), accessed by a competing control device (Col 10 lines 62-67, the policy engine is viewed as the competing device that accessed and updated the information stored in the data store.)

17. Referring to claim 2, Natarajan has further taught wherein the descriptor mechanism is a bulletin board subunit (see figure 2, the event server used for storing and posting control information is viewed as an bulletin board subunit) and the descriptor is a data entry (Col 10 lines 62-64, a event notification service being registered is viewed as a data entry.)
18. Referring to claim 12, Natarajan has further taught wherein the descriptor mechanism stores portions of data that are accessed by the competing control device (Col 10 lines 66-67.)
19. Referring to claim 15, Natarajan has further taught wherein corresponding notify command frames are submitted after descriptors from networked control devices (Col 10 line 62- Col 11 line 1.)
20. Referring to claims 16-17, and 25, claims 16-17, and 25 encompass the same scope of the invention as that of the claims 1-2, 15. Therefore, claims 16-17, and 25 are rejected for the same reason as the claims 1-2, 15.

### ***Claim Rejections - 35 USC § 103***

21. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.



22. Claims 3, 5-11, 13-14, 18-23, 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Natarajan, in views of Horiguchi et al., US Patent Number 6,513,064, hereinafter Horinguchi.
23. Referring to claim 3-11, 13-14, Natarajan has taught an invention as described in claims 1, 2, and 12, however, Natarajan has not taught the limitation recited in claims 3-11, 13-14. However, all the limitations in claim 3-11, 13-14 are stating the features of a Resource Schedule Board (RSB) within a bulletin board subunit with an Audio/Visual Control machine using IEEE-1394-1955 serial bus.

However, Horinguchi has disclose an invention with a Resource Schedule Board (RSB) within a bulletin board subunit with an Audio/Visual Control machine using IEEE-1394-1955 serial bus (see abstract, figures 1-37), such as a resource schedule bulletin board and wherein the data entries are resource schedule entries each comprising a start time, a duration time and an interval time (figure 30-36); the AV/C standard protocol (Col 1 lines 18-29); the IEEE 1394 serial bus (Col 1 line 19).

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to modify the teaching of Natarajan such that to includes all the features of a Resource Schedule Board (RSB) within a bulletin board subunit with an Audio/Visual Control machine using IEEE-1394-1955 serial bus as described in claims 3-11, 13-14.

A person with ordinary skill in the art would have been motivated to make the modification to Natarajan because Natarajan has disclosed a bulletin board typed server for storing information and providing notification of network elements by monitoring


Art Unit: 2155


event changes in a network, and Horiguchi has disclosed a more advanced bulletin boards with an resource schedule board. Combining both Horiguchi and Natarajan would improve Natarajan's invention by having a more advanced bulletin board which includes many more advanced features such as time scheduling functions.

24. Referring to claims 18-24, 26, claims 18-23, 26 encompass the same scope of the invention as that of the claims 3-11, 13-14. Therefore, claims 18-23, 26 are rejected for the same reason as the claims 3-11, 13-14.

### ***Conclusion***

25. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Liang-che Alex Wang whose telephone number is (703) 305-8159. The examiner can normally be reached on Monday thru Friday, 8:30 am to 5:00 pm.
26. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam Hosain T can be reached on (703)308-6662. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.
27. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Liang-che Alex Wang   
August 14, 2003

  
HOSAIN T. ALAM  
PRIMARY EXAMINER